

| L Number | Hits    | Search Text   | DB  | Time stamp       |
|----------|---------|---|---|------------------|
| 1        | 1       | 5828394.pn.   | USPAT;<br>EPO; JPO                          | 2004/08/31 16:36 |
| -        | 447     | 347/54  | USPAT;<br>EPO; JPO                          | 2004/08/17 18:31 |
| -        | 6       | "4819009"   | USPAT;<br>EPO; JPO                          | 2000/09/19 13:57 |
| -        | 70055   | electromag\$ and coil   | USPAT;<br>EPO; JPO                          | 2000/09/20 17:06 |
| -        | 375000  | piston or plunger   | USPAT;<br>EPO; JPO                          | 2000/09/20 17:07 |
| -        | 9       | (347/54) and (electromag\$ and coil) and (piston or plunger)  | USPAT;<br>EPO; JPO                          | 2000/09/20 17:17 |
| -        | 50      | (347/\$.ccls.) and (electromag\$ and coil) and (piston or plunger)  | USPAT;<br>EPO; JPO                          | 2000/09/20 17:17 |
| -        | 1191    | magnetostrictive adj (material or actuator)   | USPAT;<br>EPO; JPO                          | 2000/09/22 12:43 |
| -        | 145447  | magnetic adj field  | USPAT;<br>EPO; JPO                          | 2000/09/22 09:53 |
| -        | 663     | (magnetostrictive adj (material or actuator)) and (magnetic adj field)  | USPAT;<br>EPO; JPO                          | 2000/09/22 14:49 |
| -        | 5       | 347/\$.ccls. and ((magnetostrictive adj (material or actuator)) and (magnetic adj field))                       | USPAT;<br>EPO; JPO                          | 2000/09/22 14:48 |
| -        | 3       | magnetostrictive adj (paddle or diaphragm)  | USPAT;<br>EPO; JPO                          | 2000/09/22 14:47 |
| -        | 108     | terfenol-D  | USPAT;<br>EPO; JPO                          | 2000/09/22 14:48 |
| -        | 0       | 347/\$.ccls. and ((magnetostrictive adj (material or actuator)) and (magnetic adj field)) and terfenol-D        | USPAT;<br>EPO; JPO                          | 2000/09/22 14:49 |
| -        | 60      | (magnetostrictive adj (material or actuator)) and (magnetic adj field) and terfenol-D                           | USPAT;<br>EPO; JPO                          | 2000/09/22 15:30 |
| -        | 39      | motamedi-\$in.  | USPAT;<br>EPO; JPO                          | 2000/09/22 15:30 |
| -        | 10544   | sma or (shape adj memory adj alloy)   | USPAT;<br>EPO; JPO                          | 2000/09/25 15:00 |
| -        | 489     | martensitic adj phase   | USPAT;<br>EPO; JPO                          | 2000/09/25 12:13 |
| -        | 587     | austenitic adj phase  | USPAT;<br>EPO; JPO                          | 2000/09/25 12:14 |
| -        | 1       | ((sma or (shape adj memory adj alloy)) and (martensitic adj phase) and (austenitic adj phase)) and 347/\$.ccls. | USPAT;<br>EPO; JPO                          | 2000/09/25 12:14 |
| -        | 101     | (sma or (shape adj memory adj alloy)) and (martensitic adj phase) and (austenitic adj phase)                    | USPAT;<br>EPO; JPO                          | 2000/09/25 12:20 |
| -        | 3925    | sma or (shape adj memory adj alloy) and 347/\$.ccls.  | USPAT;<br>EPO; JPO                          | 2000/09/25 15:00 |
| -        | 65      | (sma or (shape adj memory adj alloy)) and 347/\$.ccls.  | USPAT;<br>EPO; JPO                          | 2000/09/25 15:03 |
| -        | 4       | actuator and ((sma or (shape adj memory adj alloy)) and 347/\$.ccls.)   | USPAT;<br>EPO; JPO                          | 2000/09/25 15:05 |
| -        | 3       | ejector and ((sma or (shape adj memory adj alloy)) and 347/\$.ccls.)  | USPAT;<br>EPO; JPO                          | 2000/09/25 15:06 |
| -        | 9       | "0634273"   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/21 16:42 |
| -        | 3991177 | ep "634273" a2  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/21 16:43 |
| -        | 10      | "634273"  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/21 16:43 |

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| - | 4    | "6557977"   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2003/09/22 08:13 |
| - | 0    | silverbrook-\$.in and (nozzle near (guard\$3 protect\$3))   | USPAT;<br>EPO; JPO                          | 2004/08/02 17:57 |
| - | 108  | silverbrook-\$.in. and (nozzle near (guard\$3 protect\$3))  | USPAT;<br>EPO; JPO                          | 2004/08/02 17:57 |
| - | 29   | (silverbrook-\$.in. and (nozzle near (guard\$3 protect\$3))) and 347/54.ccls.   | USPAT;<br>EPO; JPO                          | 2004/08/02 18:31 |
| - | 159  | (MEMS near (substrate\$1 nozzle\$1 chamber\$1))   | USPAT;<br>EPO; JPO                          | 2004/08/17 18:40 |
| - | 22   | ((MEMS near (substrate\$1 nozzle\$1 chamber\$1))) and 347/\$.ccls.  | USPAT;<br>EPO; JPO                          | 2004/08/02 18:33 |
| - | 11   | ("1941001"   "3373437"   "3416153"   "3946398"   "4346387"   "4894664"   "5812159"   "5825385"   "5880759"   "6079821"   "6312112").PN. | USPAT                                       | 2004/08/02 18:35 |
| - | 1    | 6247790.pn.   | USPAT;<br>EPO; JPO                          | 2004/08/17 18:35 |
| - | 0    | MEMS same substrate\$1 same CMOS same (fluid near channel\$1)   | USPAT;<br>EPO; JPO                          | 2004/08/17 18:37 |
| - | 26   | "MEMS" and (substrate\$1 same "CMOS") and (fluid near channel\$1)   | USPAT;<br>EPO; JPO                          | 2004/08/17 18:37 |
| - | 1466 | ((MEMS microelectro\$) near (substrate\$1 nozzle\$1 chamber\$1))  | USPAT;<br>EPO; JPO                          | 2004/08/17 18:41 |
| - | 33   | ((MEMS microelectro\$) near (substrate\$1 nozzle\$1 chamber\$1))) and 347/\$.ccls.  | USPAT;<br>EPO; JPO                          | 2004/08/17 18:49 |
| - | 1    | 5989445.pn.   | USPAT;<br>EPO; JPO                          | 2004/08/17 18:52 |
| - | 6    | ("3921916"   "4455192"   "5308442"   "5385635"   "5585827"   "5588597").PN.   | USPAT                                       | 2004/08/17 18:52 |
| - | 714  | 347/65.ccls.  | USPAT;<br>EPO; JPO                          | 2004/08/31 15:19 |
| - | 27   | 347/65.ccls. and "MEMS"   | USPAT;<br>EPO; JPO                          | 2004/08/17 18:53 |
| - | 27   | 347/65.ccls. and "CMOS"   | USPAT;<br>EPO; JPO                          | 2004/08/31 15:23 |
| - | 242  | 347/54-65.ccls. and "CMOS"  | USPAT;<br>EPO; JPO                          | 2004/08/31 15:23 |
| - | 65   | (347/54-65.ccls. and "CMOS") not silverbrook-\$.in.   | USPAT;<br>EPO; JPO                          | 2004/08/31 16:36 |